

Converting Colors

$Y_{xy}(62.1431, 0.2500, 0.4199)$

Have a look what the booklet for
Yxy(62.1431, 0.2500, 0.4199)
contains.

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Color

Yxy(62.3952, 0.2499, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	00EBAC
RGB	0, 235, 172
RGB Percent	0%, 92%, 67%
CMY	1.0000, 0.0784, 0.3254
CMYK	1.00, 0.00, 0.27, 0.08
HSL	164°, 100%, 46%
HSV	164°, 100%, 92%
XYZ	37.1517, 62.3952, 49.1193
YIQ	157.5530, -119.8370, -69.4130

Conversions

Conversions Part 2

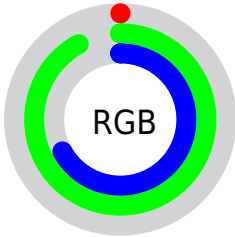
Format	Color
RYB	0, 136, 235
Decimal	60332
CIELab	83.12, -61.67, 17.51
CIELCh	83, 64.112, 164.148
Yxy	62.3952, 0.2499, 0.4197
Android (android.graphics.Color)	4278250412 (0xFF00EBAC)
YUV	157.5530, 7.1224, -138.1740
Hunter-Lab	78.9906, -54.2797, 18.4247

Details

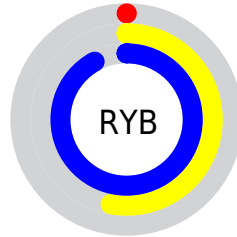
The Yxy color **62.3952, 0.2499, 0.4197** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.0223, 0.5908, 0.3028**, and the grayscale version is **33.9894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5009, 0.2528, 0.3613**, and **33.1969, 0.2552, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **62.4000, 0.2499, 0.4197**, and if you desaturate by 10%, it is **62.8360, 0.2487, 0.4097**.

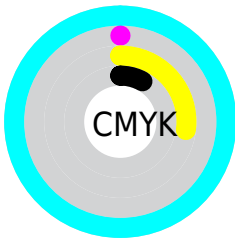
Distribution



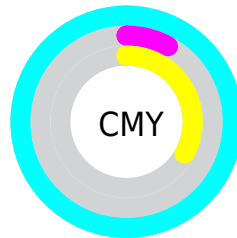
- Red (0%)
- Green (92%)
- Blue (67%)



- Red (0%)
- Yellow (53%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3952, 0.2499, 0.4197 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 62.3952, 0.2499, 0.4197 by changing the saturation by 10% instead.


 62.3952, 0.2499,
0.4197

 62.3952, 0.2499,
0.4197


433.3712, 0.2808,
0.3741


 45.3521, 0.2424,
0.4311


 108.2965, 0.2610,
0.4031

 31.7349, 0.2329,
0.4457


 137.9235, 0.2652,
0.3969


 21.1591, 0.2205,
0.4651


 172.5139, 0.2688,
0.3916

 13.2403, 0.2037,
0.4920

 212.4522, 0.2718,
0.3871

 7.5942, 0.1798,
0.5314

 258.1226, 0.2745,
0.3832

 3.8364, 0.1440,
0.5937

309.9097, 0.2769,

 1.5825, 0.0000,

0.3798

0.8157

368.1977, 0.2789,
0.3767

■ 0.3458, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.3952, 0.2499,
0.4197

■ 62.3952, 0.2499,
0.4197

■ 62.4000, 0.2499,
0.4197

■ 62.8360, 0.2487,
0.4097

■ 63.5117, 0.2491,
0.3995

■ 64.4995, 0.2515,
0.3894

■ 65.8417, 0.2559,
0.3793

67.5740, 0.2622,
0.3695

69.7278, 0.2702,
0.3602

72.3309, 0.2795,
0.3514

75.4090, 0.2899,
0.3432

78.9857, 0.3011,
0.3358

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3952, 0.3238, 0.4745



62.3952, 0.2499, 0.4197



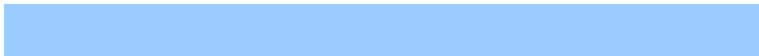
62.3952, 0.1970, 0.3323

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.3952, 0.2499, 0.4197



62.3952, 0.2197, 0.2074



62.3952, 0.4730, 0.3662

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.3952, 0.2499, 0.4197



18.0223, 0.5908, 0.3028

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.3952, 0.4403, 0.3082



62.3952, 0.2499, 0.4197



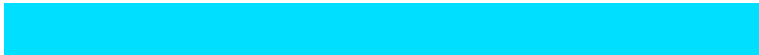
62.3952, 0.2842, 0.2219

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3952, 0.2499, 0.4197



62.3952, 0.1829, 0.2182



62.3952, 0.3668, 0.2575



62.3952, 0.4550, 0.4244

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.3952, 0.2499, 0.4197



62.3952, 0.1788, 0.2801



62.3952, 0.3668, 0.2575



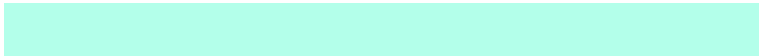
62.3952, 0.4679, 0.3465

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.4000, 0.2499, 0.4197



87.0131, 0.2794, 0.3515



60.5997, 0.3118, 0.5906



18.3265, 0.2753, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4000, 0.2499, 0.4197



75.0926, 0.2500, 0.4201



40.3167, 0.2046, 0.2565



17.0489, 0.3017, 0.3354



34.7482, 0.2495, 0.4181



2.7444, 0.2456, 0.4042

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.0223, 0.5908, 0.3028



21.6817, 0.5919, 0.3034



20.0240, 0.6168, 0.3485



15.1204, 0.3251, 0.3227



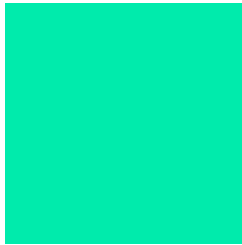
10.0476, 0.5868, 0.3006



0.8046, 0.5475, 0.2790

Previews

White Background



This preview shows how the Yxy color 62.3952, 0.2499, 0.4197 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 62.3952, 0.2499, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

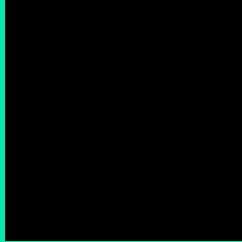
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.3952, 0.2499, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 62.3952, 0.2499, 0.4197.

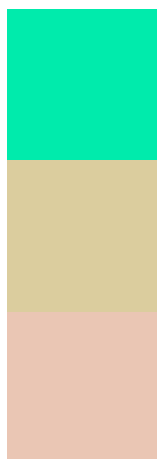


This preview shows how white text looks on a background with the Yxy color 62.3952, 0.2499, 0.4197.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

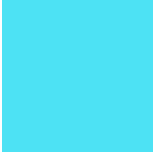
62.3952, 0.2499, 0.4197

Protanopia

61.1913, 0.3586, 0.3835

Deuteranopia

61.1759, 0.3559, 0.3491



Tritanopia

62.5021, 0.2280, 0.3060

Trichromacy



Original Color

62.3952, 0.2499, 0.4197



Protanomaly

57.2450, 0.2933, 0.4016



Deuteranomaly

56.1524, 0.2910, 0.3746



Tritanomaly

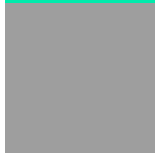
61.7535, 0.2334, 0.3436

Monochromacy



Original Color

62.3952, 0.2499, 0.4197



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.5289, 0.2661, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3952, 0.2499, 0.4197 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 235, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 235, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 172) }
```

Border

The CSS property to change the border of an element to Yxy 62.3952, 0.2499, 0.4197 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 235, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 235, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 235, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 235, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 235, 172); box-shadow:4px 4px 4px 4px rgb(0, 235, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3952, 0.2499, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 235,  
172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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